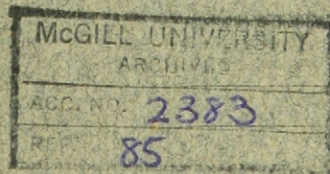


VOL. V.

No. 4.

# McGill Outlook



Tuesday, November the Eleventh,  
Nineteen Hundred and Two.



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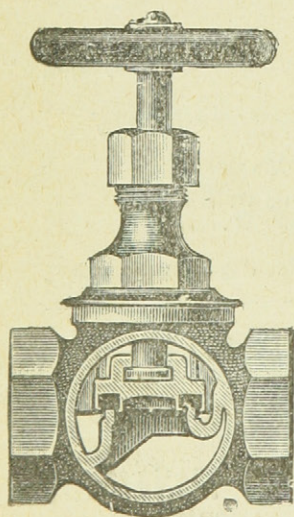
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# McGill Outlook.

Entered at Post Office as Second Class Matter.

VOL. V.

MONTREAL, NOVEMBER 11, 1902.

No. 4

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Contributions to be sent to the Editor-in-Chief, 247 University St., Montreal, to any of the Associate Editors, or to the Redpath Library.

The Annual Subscription is \$1.00, payable strictly in advance. Remittances should be made to the Business Manager,

S. DALE HARRIS, B. A.,  
247 University St.,  
Montreal.

## Editorial.

With a great football game in prospect, and the chances bright for winning the Intercollegiate Football championship, a few words are in order regarding the old question of College spirit.

One of the chief handicaps to a powerful College spirit at McGill, such as exists in other Universities of its size, is the division of the student body into so many departments.

A man studying Medicine may go through his whole Four Years without becoming acquainted with the members of his own Class who are studying Applied Science, Arts or Law.

This is even more so at McGill than at other Universities of the same type (i.e., non-residential, and situated in a large city), for up to last year the students have always been organized according to their respective "Faculties," not according to their respective "Years." The change made last year, in dividing the whole student body into four classes, Seniors, Juniors, Sophomores and Freshmen, was the first step towards remedying this state of affairs. But the movement did not go far enough.

To ensure the success of the new plan, each Class (and especially the Freshman) should have some distinctive mark by which its members could tell one another.

A universal Class pin is a good thing, but it is scarcely sufficient for the purpose, a pin being necessarily very small, and all Class pins much alike.

In the American Colleges a number

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of things have been tried to fill this capacity, and the most successful has been found to be a distinctive Class cap.

Two or three of the large Universities are now taking steps to inaugurate a system of Class caps, as may be seen by the following extracts from two of the leading College papers:—

"The University of Pennsylvania is making earnest efforts to develop a College spirit that will put the University in a stronger position in the College world. One of the latest ideas is the decree of the upper classes, that all Freshmen must wear black caps on the Campus in order to develop a Class spirit early in the course. It is proposed later to have the other classes also wear distinctive caps—preferably the Sophomores white, the Juniors red, and the Seniors blue."

"The Junior yesterday decided to adopt a distinctive dress in the shape of a cap. The style of the cap to be used is called the "New York Golf Cap." It is to be made of green cloth with the numerals '03 embroidered on front in white silk."—*Daily Californian*.

At Oxford and Cambridge the idea is an old one, and has proved very successful. At these Universities each separate College has its "colours," and these are worn in straw-hat bands, blazers, caps, etc.

In German Universities the Class cap is an established institution.

The following Editorial, from the *Minnesota Daily*, so exactly expresses the condition of affairs at our own University, that we give it as it stands.

"In an institution as large as this, where classes are split up into departments, an established system of Class insignia would do much to bring the members of a Class together and to foster a healthy Class spirit. How many friendships with fellow class-

men have failed to materialize because the parties were uncertain whether or not they were addressing one of their own Class, how many stirring manifestations of Class spirit have been broken up by the uncertainty of the participants as to the class of the man next to them? How much might have been added to Class spirit by a universal adoption of distinctive head-gear and how much has been lost from 'Varsity history by such a lack can never be known, but the system promises so much that it deserves, if not an immediate trial, at least the serious consideration of the Classes as soon as meetings have been held.

"With Class caps to identify and unify each Class and Class numerals as carefully and deservedly bestowed as the 'Varsity M, it seems as if Class Athletics would play a more important part in Minnesota sport and a Class spirit would be developed upon which a higher College loyalty would be founded."

If a system of Class caps were introduced at McGill there is no doubt that it would become very popular, and do much towards strengthening the Class organization.

This is a matter which the Alma Mater Society would do well to take up. The OUTLOOK would be very glad to receive opinions upon the question from any one who takes an interest in such matters.

---

Next Saturday, the football match of the season will take place. On it depends the championship of the Intercollegiate Union. McGill's team this year is stronger and better trained than any she has had since the organization of the Intercollegiate Union.

The individual men are better; they are playing together better; the record during the present season is better, and the chances of winning the championship are the best that



have ever occurred. The goal for which our men have been striving for two months past is at length in sight. If we can defeat Queen's next Saturday, the Intercollegiate trophy is ours. Queen's *must* be defeated. Our men can do it, we do not doubt. But we must help them. Every student, every man and woman connected with McGill, every friend of the University, should make it their duty to appear on the Campus next Saturday and cheer on the team to victory.

The cheering at football games at McGill has never amounted to much, for the reason that it has never been sufficiently organized.

**A Few Words** At the American **About** Colleges, "rooting" is one of the principal features of the games. Rooters' meetings are held for days before each big match, to practice up the various "yells" and songs, and when the match takes place the "Rooters" are arranged in sections round the field, so that a continuous cheer may be kept up from one end of the game to the other.

Now, while we may think that the American Universities carry this feature of football, like many of the others, to excess, yet we should do well to follow their example in some degree. One thing that we could copy with profit is the custom of singing songs at the matches. It is impossible to shout continuously for an hour, and an occasional song not only sounds well, but greatly relieves the voices of the students.

In another column are published some football songs, for McGill. Let every man learn the few words (every one knows the tunes), and sing them with vim on the occasion of the Queen's match.

There is no doubt whatever that cheering and encouragement from the onlookers greatly helps a team. And on Saturday our team will need every bit of help it can get.

Nothing in the way of cheering, however, can be accomplished without united effort; and we, therefore, suggest that the football management make arrangements to have this important adjunct of the game thoroughly organized.

To do this it is essential that all the students should sit together, and that special cheer-leaders should be appointed to lead the sections.

This brings us to the question of seats.

So far this season the seating arrangements at all the games have been a disgrace. Although the seats are all numbered, people are allowed by the ushers to sit anywhere they choose. Consequently, a person

**Seating** coming in a little **Arrangements.** late either has to turn some one else out or go to an inferior place. The people in possession of the seats cannot be forced to move, as they say (and quite truly), that when buying their tickets they were told they could take any seat at all. Endless dissatisfaction and inconvenience is the result.

The only proper way to manage the seating arrangements is to reserve certain sections for the students, and to sell student's tickets only for these sections. These sections, moreover, should be in the middle of the stand. How can men be expected to cheer for a team when they are packed away at either end of the field, as was the case last Saturday.

The students are the ones most interested in the game, and they should be assured reasonably good seats.

Unless some such arrangements as the ones here suggested are made, all the College spirit and enthusiasm that McGill can scrape together will be valueless as support to the team.

With good weather, then proper advertising and proper care in the management of details, Saturday's



match should be a record one in every way.

Lastly, every man should bear in mind that he is personally responsible for encouraging the team. The players will do their duty. Let us do ours.

In another column will be found a letter on the all-important subject of "yelling" at Saturday's match. The suggestions made by our correspondent are good ones, and ought to be followed.

Why not have a song and yell practice on Friday night. The use of a theatre in the Medical Building could easily be obtained.

The football management should attend to this, and also the appointment of cheer leaders.

NOTICE TO ALL.—When you come to the match next Saturday bring a megaphone. They are easily made

from bits of cardboard, and no student should be without one.

Everybody should feel gratified at the rapid progress of the New Gymnasium Fund. Although the Fund has only been started a week, nearly half the desired amount is already subscribed. The students in Arts are especially to be congratulated upon the way they have come forward. Although the smallest Faculty in the "U" Arts now heads the list in point of amount subscribed. No doubt, by the next issue of the OUTLOOK, the other Faculties will have caught up to and passed her. We urge every man who can in any way spare the money to give his aid to the Fund.

With a fair response from the students, the \$1,000 mark ought very soon to be reached.

---

### Athletics.

---

## **Rough Riders too heavy for us.**

### **THOUGH HELD DOWN IN THE FIRST HALF, THEY BEAT US OUT 14 TO 1**

### **Intercollegiate Championship will be decided next Saturday.**

### **Wood Cup Match to come off this week.**

With a double-header next Saturday, there should be football fun and to spare. This will be the first team's last match, and it is important that enough gate money should be taken to pay for the expenses of the Queen's team while here, and yet leave a balance to help out the finances of our own team. With this end in view, the students' tickets will be raised in price from fifteen to twenty-five cents.

Surely twenty-five cents is not an exorbitant price to pay for two such exciting games as will be seen on Saturday next, and every one should do what he can to help matters along.

Seeing that 'Varsity II. only beat Queen's II. by five points on Saturday last, Queen's is now ahead in the West, so they have to play a series of home and home matches with our second



team for the Intermediate championship. The first of these games will be on the Campus, next Saturday, and a hard close game is expected. If the first team land the championship, and the second team get a good lead for the same thing, there will be doings in Montreal on Saturday, that's sure!

Amid so much excitement about the first and second teams, we are apt to forget one very important thing, namely, the Interyear matches. This year, these were to have been a feature of the student life, but the boys were very lax about getting started, the consequence being, that instead of having the teams for the different Years all picked, the captains have, as yet, hardly got a line on their men. This week, however, there are to be two practices of the combined Years, ending up with the first Interyear match which McGill has yet seen. This game will be played between the two Years which put up the best football, and will be attended by Mr. Wood, the donor of the cup, who is coming from Boston on purpose to see the game. Everybody up!

[Mr. Wood is an old McGill boy, and was in the Undergrad. days captain of the first XV.]

#### **SATURDAY'S FOOTBALL MATCH.**

All the week there had been a good deal of expectancy manifested as to the result of the return game with the Rough Riders, and while some, owing to the good showing of our boys at Ottawa, were very confident, others, more cautious, reserved their opinion. By general consent, however, it was agreed that, given a favourable day, a fine game would be played, one in which, to use a term of professionalism, McGill would give the visitors "a good run for their money."

Once more, as events proved, McGill was destined to have good weather. Out of five regular matches this

autumn, at only one was the weather in any way disagreeable, and that was at a distance from home. It is to be sincerely hoped that the coming match on Saturday afternoon next will find us with the same splendid weather as we experienced three days ago.

The genial character of the day, the chance of seeing the much-talked-of Rough Riders, and the interest attaching the game, was instrumental in bringing out, on the 8th instant, this year's record attendance. It must be remarked, however, that for so large a number of students, the encouragement given the team in the way of yelling was very poor. Of all the methods to get a visiting team *going*, perhaps there is none more efficient than to keep up a continuous and long-drawn-out McG-I-L-L, such as was done in the first game with 'Varsity. But of this, and of a supply of good snappy slogans at critical times, there was a lamentable absence on Saturday.

Both teams must have derived great benefit from the game. Probably McGill got the long end of the benefit, while the visitors took away most of the honour, for, in such a case, it is generally the loser which profits by experience. Fourteen to one seems long odds, but when one remembers that every point of the fourteen was scored in the last half, it is readily seen that during the first half the game was "anybody's." Notwithstanding the very great difference in weight between the two teams, McGill more than held her own until the end of the first half. At the first call of time, McGill stock was, if not at a premium, at any rate at par, and we were all hopeful. It was clear to the onlookers that could McGill's team only open up the game, they would score, and when it was noticed that some mass plays of the Ottawa men were effectually stemmed by the home team, the boys joyfully let the visitors know it.

But, alas! shocks were to come later on. The Rough Riders' superior



weight began to tell on our wings. Hardly one of the McGill team could break through, while the Ottawa men were several times penalized for off-sides on this account. The consequence naturally was, that whenever McGill did manage to gain possession of the ball it was either stolen immediately, or the man to whom it was passed was downed before he could move ten yards. To make matters worse, McGill seemed unable to work in any open plays, so close did the visitors keep the ball. This is practically the story of the second half. Brilliant as was McGill at times, it was generally a case of avoirdupois and muscle, and the stand made by our boys, far from being poor, was of the best. With an equally good showing of the line next Saturday, and an improvement on the back division, we may anticipate one of those old-time football scenes when the championship was not such a rarity at McGill as it has latterly been.

The teams were:—

McGill.	Rough Riders.
Patch... ..	Back... D'Arcy McGee
Hamilton ... ..	Half-Back... ..
Richards ... ..	Half-Back... ..
B. Molson... ..	Half-Back ... ..
Meindl... ..	Quarter... Hal. Walters
Benedict... ..	Scrimmage ... Kennedy
O'Brien... ..	Scrimmage... Buckham
McPhee... ..	Scrimmage... Isbester
Waterous... ..	Wing... ..
W. Molson ... ..	Wing... ..
Wright ... ..	Wing... ..
Mohr... ..	Wing... ..
Nagle (Capt. ... ..	Wing... ..
Martin ... ..	Wing... ..
Boulter... ..	Wing... ..

Referee:—Herbert Molson.

Umpire:—Ernest McLea.

(Both of the M. A. A. A.)

### KICKS.

It was a good hard game.

The visitors had to stand some good-humoured banter from the side-

lines *re* their chest measurement and what they subsisted on.

Both teams are to be congratulated on their clean play.

Although the Rough Riders' forte is in mass plays, McGill several times beat them at their own game and that in a most striking manner; notably in the second half.

Capt. Nagle was so well looked after that he couldn't show up as brilliantly as heretofore.

Mohr's height was responsible for McGill's obtaining the ball at many "line-ups." He played a strong game.

Hal. Walter's bucking is something to remember.

Harry Boulter always played for the ball. He forced the only point we obtained.

The referee and the umpire were very efficient and strictly impartial.

Waterous and Wright did some splendid work. While Waterous would "put it all over" the scrimmage, Wright would go through.

Any one who is desirous of learning how to tackle, should study Hamilton's methods.

Rain, sleet or snow, everybody *must* come and cheer on both the teams to victory next Saturday.

A few more games like last Saturday's, and Walter Molson could challenge the "Terrible Turk" to a catch-as-catch-can contest at Madison Square Gardens.

The Ottawa men have an original scrimmage formation for the goal line. It might appropriately be styled:

"Scrimmage à la genou."

The trophy in the Intercollegiate Union is a large silver cup, or punch-bowl, donated by Dr. H. B. Yates, of McGill. It has been won by Toronto 'Varsity, seasons 1893, 1899 and 1901,



and by Queen's in 1900, so that it is up to McGill now.

At the Annual Meeting, December, 1898, the Intercollegiate Union withdrew from membership in the Canadian Union, so that the winners do not play off with the winners of the Quebec and Ontario Unions for the Dominion championship.

### THE INTERCOLLEGIATE STANDING.

	Won.	Lost.	Drawn.	To Play.
McGill... ..	1	1	1	1
Queen's... ..	1	1	1	1
'Varsity... ..	2	2	0	0

### FOOTBALL SONGS.

*(Paste these in your hat for Saturday.)*

(Air: "Marching through Georgia.)

Our boys are on the football field,  
They've gathered for the fray,  
The College yell is in the air,  
We've come to win the day.  
We know the game of football  
And we'll show them how to play,  
While we are shouting for McG-I-L-L.

CHORUS:

McG-I-L-L, McG-I-L-L, we'll rush the  
ball alone,  
A kick, a shove, we'll crush right  
through the throng,  
No line can stop our fellows in their  
rustres fierce and strong,  
While we are shouting for McG-I-L-L.  
Our players every one are made  
Of heads and muscle tough,  
The combination always works  
And they will never muff,  
They'll show the Kingston fellows

That they're not quite good enough  
While we are shouting for McG-I-L-L.

(Air: Mr. Dooley.)

1. The Queen's men came upon the  
field  
With spirits very gay,  
And dreaming of the fame that they  
Would win that autumn day.  
Their barber's poles all burnished up,  
Their nigger on the track,  
Determined all to do or die,  
And take the trophy back.

CHORUS:

Oh! Mister Nagle, oh! Mister  
Nagle,  
You have the grandest team (play  
the grandest game) I ever saw.  
A revelation to all the nation;  
The hottest thing that's happened  
since the war.

2. But 15 other men appear,  
All clad in red and white.  
They are the men of Old McGill  
(you'll hear of her to-night).  
Their duty is to take these men  
Of funny rainbow hue,  
And wipe them cleanly off the earth,  
That's what they're here to do.

Chorus:—

3. For scrimmage we have Benedict,  
O'Brien and McPhee,  
Our quarter's "Dutcher," Meindl,  
Oh! a foxy man is he,  
Then Richards, "Bert" and "Alfie,"  
Better halves you couldn't find;  
While Patch defends the goal line,  
Not a man can get behind.

Chorus:—

4. With Waterous and Molson,  
Playing just beside the scrim.,  
And Wright and Mohr and Boulter  
next,  
How can we help but win.  
Our outside wings are Martin,  
And the Captain of the team,  
That's Mister Nagle, he's a peach,  
He'll put them in a dream.



**NEW GYMNASIUM FUND MAKES  
RAPID PROGRESS. \$400.00  
NOW SUBSCRIBED.**

The following is a list of the latest subscriptions to the Gym. Fund:—

**ARTS.**

Wilfred Bovey, '03.. . . .	\$5 00
William Holman, '03.. . . .	5 00
D. Cameron, '03.. . . .	5 00
Edgar R. Parkins, '03.. . . .	5 00
S. McMoran, '03.. . . .	5 00
Alan Dunlop, '03.. . . .	5 00
H. Walker, '04.. . . .	5 00
Talbot Papineau, '04 .. . . .	5 00
Walter Molson, '04 .. . . .	5 00
George McDonald, '04.. . . .	5 00
Fraser Gurd, '04.. . . .	5 00
H. G. Rose, '04.. . . .	5 00
J. G. Dickinson, '04.. . . .	5 00
F. G. Wickware, '04.. . . .	5 00
A. B. Chandler, '04.. . . .	5 00
C. M. McFarlane, '04 .. . . .	5 00
Gordon Brown, '04.. . . .	5 00
Percy Wright, '05 .. . . .	5 00
T. Stewart, '05 .. . . .	5 00
W. Stewart, '05 .. . . .	5 00
W. F. Dey, '05.. . . .	5 00
C. H. S. Blanchard, '05.. . . .	5 00
Gordon Hyde, '05.. . . .	5 00
Bert Molson, '05 .. . . .	5 00
Henry Howitt, '05.. . . .	5 00
Norman McNab, '05.. . . .	5 00
Charles Tupper, '05 .. . . .	5 00
K. M. Perry, '05.. . . .	5 00
George Fraser, '05.. . . .	5 00
Charles Greenshields, '05.. . . .	5 00
W. M. Robinson, '05 .. . . .	5 00
F. G. R., '05.. . . .	5 00
C. E. Ross, '05.. . . .	5 00
A. B. Silcox, '06.. . . .	5 00
A. M. Maver, '06.. . . .	5 00
Hope Scott, '06.. . . .	5 00
E. R. Pease, '06.. . . .	5 00
C. S. Lyman, '06.. . . .	5 00
H. Newman, '06.. . . .	5 00
W. S. Allison, '06.. . . .	5 00
W. Vassie, '06.. . . .	5 00
O. Sutherland, '06.. . . .	5 00
O. Waugh, '06.. . . .	5 00
G. E. Hausser, '06.. . . .	5 00
Total.. . . .	\$220 00

**MEDICINE.**

T. McPherson, '03.. . . .	\$5 00
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**LAW.**

Errol McDougall, '04 .. . . .	\$5 00
S. Dale Harris, '05.. . . .	5 00
Total.. . . .	\$10 00

**SCIENCE '03.**

W. M. Edwards.. . . .	\$5 00
Geo. G. Gale.. . . .	5 00
O. Hall.. . . .	5 00
S. ——— . . . . .	5 00
J. G. Ross.. . . .	5 00
F. H. McLaren.. . . .	5 00
L. E. Rowley .. . . .	5 00
Chas. M. McKergow.. . . .	5 00
Fred. B. Brown.. . . .	5 00
A. G. Langley.. . . .	5 00
R. Musgrave .. . . .	5 00
A. S. B. Lucas.. . . .	5 00
A. E. Foreman.. . . .	5 00
C. W. Stokes.. . . .	5 00
W. H. Thorpe.. . . .	5 00
K. M. Cameron .. . . .	5 00
W. P. O. Pemberton .. . . .	5 00
G. R. Kendall.. . . .	5 00
P. A. Landry.. . . .	5 00
H. Cohen.. . . .	5 00
R. Cumming.. . . .	5 00
J. A. Cameron.. . . .	5 00
G. B. Webster.. . . .	5 00
Total.. . . .	\$115 00

**Previously acknowledged.**

Arts.. . . .	\$ 5 00
Science.. . . .	40 00
Graduates.. . . .	5 00

Total.. . . . \$50 00

**Grand total up to date:—**

Arts.. . . .	\$225 00
Science .. . . .	155 00
Law.. . . .	10 00
Medicine.. . . .	5 00
Graduates.. . . .	5 00

Total .. . . . \$400 00



## THE FUNCTIONS AND DUTIES OF A UNIVERSITY.

University men, students, graduates and staff alike will read with interest an address delivered the other day by President Hadley, of Yale, on the subject of a University's functions and duties.

Want of space prevents our giving President Hadley's remarks in full. The following is a condensation:—

Broadly divide our University men, says President Hadley, into two groups.

One of these groups regards the University as the coping stone of a system of secondary education. The other regards it as a place for laying the foundations of future professional study and work.

The first ideal was the dominant one in the early history of Colleges in the United States, and it was the same that had prevailed in England for generations.

It suited the needs of our new and thinly-populated country, where, if advanced instruction was to be obtained at all, it had to be sought at some central institution whither students could come from all quarters and learn what, under a more advanced system, would be taught in the preparatory schools themselves.

Such a College is really a sort of High School for a State, but it has the added advantage of bringing together young men from widely separated communities and furthering the interchange of thought among men of different ideals—more so than would be possible in any local school.

This direct effect in giving breadth of view to the pupils is perhaps the most valuable service rendered by such a College. Another effect, almost as valuable, is the indirect one of creating among the different sections of the community a higher standard of scholarship, for which

the local schools and instructors are obliged to strive.

Every graduate returning to his locality is the means of diffusing those broader ideas and higher standards which he has learned during the years he has been away.

In England Universities have for generations consisted of groups of such Colleges, changing little in their purpose from age to age. Here it is different. The High School makes it unnecessary to teach the rudiments of science or history, and the result is that the entrance examinations of our Universities are almost on a par with the graduating examinations when they were first founded.

There has been an increase of opportunity for professional study within the precincts of the University. Things which were once learned only in the office or in the shop are now taught better in our classrooms and laboratories. The lawyer or doctor finds himself further advanced at the end of half a dozen years if the first two or three of these have been spent under capable teachers, and the same is true of almost every other profession requiring maturity of thought. Hence there is a tendency for a University to become a group of technical schools. This is the German idea of a University as distinct from the English. The German University takes the boy from his gymnasium—a school, somewhat more advanced than our High Schools—and carries him directly into specialized study and practical lines of work. The tendency among larger American institutions of the present day is towards the German models. The American technical schools, which at first were so often regarded as mere appendages of the University, have become essential and vital parts; while the old College course, either by the development of graduate departments or by the increase



of the elective system and substitution of scientific for classical studies, within its frame work, is making the ideal of general culture count for less and less in comparison with that of practical preparation for the duties of life.

There are some who hold that our Colleges may be able to maintain these two ideals side by side; they would make every student who enters a school of Theology, Law, Medicine or Science, show a College degree previously earned.

We may sympathize with the purpose which underlies this idea, but it is difficult to believe that in it rests the true solution of the University problem.

To insist on a College degree from every professional student causes the degree to represent only that necessary minimum which may be imposed upon every professional student. By forcing it upon those who do not want it, you diminish its value to those who really do want it.

To require what must be, an indifferent College course of every man, whether he can afford the time or not, who enters the professional schools, is to impose a serious burthen on the poor man without corresponding gain. If the student is so constituted that he can enjoy classical studies in their broad sense—a study of the masterpieces of the world's literature, and the master deeds of the world's history—well and good, but if he does not care for classics or for mathematics, and wishes to cease study of them by the time he leaves the High School, it seems a mistake to prolong by artificial requirements an eclectic course in easy science or popular history, and make the College a sort of advanced kindergarten for children of mature years. Better for such a man that the stimulus of professional work be brought home to him early than be deferred for three or four years, during

which his increasing maturity of mind is more than offset by a diminishing habit of application to duties which he dislikes.

"I believe," says President Hadley, in conclusion, "that we should seek for the solution of our University problems, not in the enforced addition of a German course to an English one, but in a combination of the English spirit with the German organization; so that we can teach professional studies without teaching the spirit of professionalism. The great thing that the English Colleges have always done, and the great thing that our best American institutions are doing in their Collegiate courses, is to lead the student to value some other ideals besides the commercial one—to recognize that there is some measure of success in life higher than the mere power of money-making. I do not mean that money-making is a bad thing, or that commercial success is an unworthy ambition; but I do mean that, constituted as society now is, our young men are far too apt to overvalue these ideals as compared with the ideals of civic duty, of religious earnestness and unselfish devotion to causes which promise them no personal advancement.

"If our educators can manage to combine the framework of the German University with the spirit of the English University or of the old-fashioned American College, they will economize the time of the student without sacrificing the educational result to be achieved. They will give to the community for whose benefit they exist the trained experts on which the community insists; and they will at the same time provide for the maintenance of that healthful public spirit in the individual and public sentiment in the body politic on which it may sometimes perhaps not so strongly insist, but which it needs all the more for its permanent continuance and prosperity."



### THE HAMPSON LIQUID AIR PLANT.

(Written for the OUTLOOK, by Professor Cox.)

The liquefaction of gases is an old problem. Davy and Faraday, in the early days of the Royal Institution, succeeded with chlorine and several others, but six of the known gases—hydrogen, oxygen, nitrogen, carbonic oxide, nitrogen dioxide, and marsh gas—held out against all attempts, and became known as the *permanent* gases, in contrast to vapours, which could be liquefied.

The failure of the older experimenters was due to the fact that they relied on pressure alone. In 1862, the researches of Andrews shewed that for each gas there is a certain *critical* temperature. Above this temperature no amount of pressure will liquefy them. Below it a sufficient pressure can reduce them to the liquid form. This temperature happened to be very low for the six permanent gases.

Soon after this was understood, success was achieved by Pictet, at Geneva, and Cailletet, at Paris. Two ways may be adopted for cooling a gas. Sudden expansion with production of external work cools the gas, just as compression heats it. Evaporation of a surrounding liquid cools anything in the neighbourhood by abstraction of heat necessary for vaporization.

Cailletet compressed air to 300 or 400 atmospheres, and, allowing it to expand suddenly, observed a momentary mist inside the tube. Dr. Barnes has shown this result with the Cailletet machine for several years past in his lectures.

Pictet used the gases which could be liquefied to cool the more refractory gases under pressure, by boiling them off in a jacket surrounding the gas to be liquefied. Proceeding by several stages he thus obtained liquid oxygen in quantity.

Essentially, the same process was

employed by Olczewski, Wroblewski, Onnes and Dewar, but the latter, with powerful apparatus and large amounts of liquid ethylene obtained far larger quantities of liquid oxygen, air and nitrogen than had been seen before.

These processes were troublesome and expensive. Almost simultaneously, Linde, in Germany, and Hampson, in England, hit upon a better way.

A gas at high pressure is allowed to escape at a fine aperture and becomes cooled to a certain extent. The escaping gas is led back along the outside of the tubes conveying the gas to the aperture and cools it before expansion. The next portion to arrive at the nozzle falls still lower in temperature on expansion, and this, in turn, cools the gas still advancing to the aperture. The process is thus regenerative, and so long as the stream of high pressure gas is supplied, the temperature goes on falling, till at last it drops below the critical temperature for oxygen, 119°C below zero. After this, a part of the gas, about 5 per cent. liquefies and drops into a receiver, whence it is drawn off at intervals.

The apparatus consists of a compressor, of the type used for filling the air chambers of torpedoes on torpedo boats. It can give a powerful stream of gas at 200 to 250 atmospheres, *i.e.*, 3,000 to 3,750 lbs. per square inch. It is driven by an 11 H. P. electric motor at 375 revolutions per minute. The air is then led to a water separator, where it gets rid of the superfluous moisture picked up from the water used to lubricate the pumps. Then it goes through a high pressure purifier, a cylinder filled with caustic potash, for it must have no trace of water vapour or carbonic acid left in it, as these would freeze solid and block the tubes of the liquefier.

The Hampson Liquefier itself is a cylinder containing four sets of fine copper tubes arranged to give as much



surface as possible. Through these the pure dry air descends to the expansion valve at the bottom, after which the cooled expanded air makes its way back along the outer walls of the copper tubes to the exit nozzle at the top of the cylinder. By a rubber hose it passes back to the pump, through a low pressure purifying cylinder filled with practically slaked lime. This last is not necessary, but its use saves the charge of caustic potash from rapid exhaustion.

The process is thus extremely simple, though the apparatus looks complicated. No freezing mixtures or liquids are required. All that is necessary is to start the compressor, and, when the pressure gauges read 160 to 200 atmospheres, open the expansion valve gently. A small gauge indicates the rate at which the stream of air is escaping. Another shows when liquid air begins to form, and the depth to which it has accumulated in the receiver.

It is found that liquefaction begins about six minutes after the expansion valve is opened. After that 100 cubic centimeters can be drawn off every 6 minutes, or about a litre per hour. The liquid air is stored in double-walled vessels with open mouths. The space between the walls is at the highest possible vacuum, and prevents the heat from reaching the liquid without which it cannot boil off though open to the air. In such vessels it has been sent across the continent.

It is satisfactory to know that very important experimental results connected with researches on the radioactive substances thorium and radium were obtained by Professor Rutherford and Mr. Seddy, within a day of first starting this machine. It is a splendid addition to the resources of the Laboratory, and in presenting it, Sir William Macdonald has given to McGill University a key which opens the door into the whole realm of modern research at low temperatures.

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## About the College.

### THE MATHEMATICIAN IN LOVE.

By PROF. RANKIN.

A mathematician fell madly in love  
With a lady, young, handsome and  
charming.  
By angles and ratios, harmonics he  
strove  
Her curves and proportions all fault-  
less to prove;  
As he scrawled hieroglyphics alarming.  
He measured with care from the ends  
of a base  
The arcs which her features subtend-  
ed.  
Then he framed transcendental equa-  
tions to trace  
The flowing outlines of her figure and  
face,  
And he thought the result very splen-  
did.

He studied (since music hath charms  
for the fair)

The theory of fiddles and whistles,  
Then composed by acoustic equations  
an air

Which, when 'twas performed, made  
the lady's long hair  
Stand on end, like a porcupine's  
bristles.

The lady loved dancing; he, therefore,  
applied

To the polka and waltz an equation.  
But when to rotate on his axis he tried  
His centre of gravity swayed to one  
side,

And he fell, by the earth's gravitation.

No doubts of the facts of his suit  
made him pause,

For he proved to his own satisfaction  
That the fair one returned his affec-  
tion, because



"As every one knows by mechanical laws,  
Reaction is equal to action."

"Let  $X$  denote beauty;  $Y$  manner well bred;  
 $Z$  fortune (this last is essential);  
Let  $L$  stand for love; our philosopher said,  
Then  $L$  is a function of  $x$ ,  $y$  and  $z$ ,  
Of the kind which is known as potential.

"Now integrate  $L$  with respect to  $dt$ ,  
( $t$  standing for time and persuasion);  
Then between proper limits, 'tis easy to see  
The definite integral, marriage must be  
(A very concise demonstration)."

Said he, "if the wandering curve of the moon  
By algebra can be predicted,  
The female affections must yield to it soon."  
But the lady ran off with a dashing dragoon  
And left him amazed and afflicted.

### MUSICAL MEN MEET.

#### McGill Glee and Banjo Club Holds First Meeting.

The Initial Meeting of 1902-1903 of the Club was held Nov. 5 in the Arts building. Quite a number turned out, but the meeting was hardly representative enough to elect officers, so that business was left over till the next week. A committee of six, however, was appointed to canvass the University for men who can play or sing, and who wish to join the Club.

The next meeting was called for Wednesday, Nov. 12, at 7.30 p.m., in the Arts building, at which every one in the College who can play or sing is

wanted. It doesn't matter whether your voice has been trained or not, if you have a good ear and can catch an air quickly, you will probably be able to get into the Club without any difficulty. We want a few more men for the Banjo Club, so if you want to join, do it now, so that you will be in good enough practice to go on any trip we may take in the holidays.

### NEW SOCIETY FORMED.

The "McGill Chemical Society" was organized on October 30, and the following officers elected for the ensuing year:—

President—Dr. Harrington.  
Vice-President—Dr. Ruttan.  
Secretary—Dr. Evans.

Members Executive Committee—  
Dr. Walker and Dr. Barnes.

The objects of the Society are, first, to enable the members of the University staff to become familiar with the work that is being done in Chemistry in the University.

Secondly, to give descriptions and detailed information of organized work that is being done in Chemistry of the world, accounts of which are to be found in the scientific journals.

Thirdly, to discuss the most recent themes of the Science.

Meetings of the Society will be held fortnightly, from 5 to 6, in the Chemistry Theatre, on alternate weeks, with the Physical Society. This is the first year that such a society has existed at McGill, in connection with the department of Chemistry, and a very successful future is anticipated. Students of Chemistry will now have an opportunity of hearing all the latest discoveries in that science discussed and explained. Some very interesting subjects have already been put down for discussion at the coming meetings.



### **IMPROVEMENT DESIRABLE IN SCIENCE BUILDING.**

#### **Science Students would Like to Have a Smoking-Room.**

The Science building is suffering from a want which ought to be remedied at once. It wants a smoking-room. Any one passing the Engineering building at any time from 9 a.m., till 5 p.m. will find some of the student members of the Faculty ornamenting the steps of the building, all of them smoking. At times there are more and at other times there are less. But at all times, rain or shine, hot or cold, there are some. This is on account of a \$5 fine for any one smoking in the building—if caught. This fine is a very just and good law, but could we not have one room in the building in which we would be allowed to smoke? The Reading-Room is one which is set aside for the use of the students. Why not be allowed to smoke in it? It is when one is reading light literature that one enjoys his smoke. And instead of the classes adjourning in a body from the Lecture-Room to the front steps, we could enjoy a comfortable smoke inside, where we can read at the same time, and, incidentally, where we should have a few more chairs.

This privilege the students of Medicine have got, and is one which the Science students should get.

#### **1904 PHOTOS FOR ANNUAL.**

Arrangements have been made with Messrs. Notman & Sons to take photos of the Junior Year. All sittings are to be made by Nov. 30.

The rates are \$3 per doz. Single photo, \$1.

#### **DELTA SIGMA SOCIETY.**

The Annual Lecture of the Delta Sigma Society took place in the Royal Victoria College, on Monday, Nov. 3. The subject was Tennyson, and the

lecturer was Prof. Moyse, and when we have said this, we have said all that is necessary. There is no need to add that there was standing room only in the Common Room, and that all the members of the Delta Sigma Society and their invited guests enjoyed every minute of the short hour. Any synopsis of the lecture would seem totally inadequate to those who heard it; and to those who were so unfortunate as to be absent, we can give no better idea of what they missed than by repeating that it was a lecture on Tennyson, and given by Prof. Moyse. We can pity them, but can offer no compensation.

The lecture was brought all too soon to a close at five o'clock, and before the company dispersed they met in the dining-room, where afternoon tea was served by the members of the Society.

Y. M. C. A.

The students of the Royal Victoria College will meet with the men of McGill on Sunday next in the Museum at 3 o'clock to hear Mr. Tom Jays, who made such a favourable impression at the Student Volunteer Convention in Toronto last February.

#### **MCGILL HISTORICAL CLUB.**

The regular meeting of the Club was held Thursday evening, Nov. 6, in the Y. M. C. A. The membership list was completed by the election of Messrs. Chandler, Carr and Fieldman to fill up vacancies.

The programme for the evening consisted of three papers on South American topics, the first of which "The Relations between Chili and Peru." was treated by Mr. S. Dale Harris. He touched briefly on their early history and struggle for independence, and spoke of the continual disputes which followed, culminating in a war which ended in 1883 to the



entire advantage of Chili. From the conclusion of peace at that time their relations have been more or less amicable.

He was followed by Mr. MacFarlane, whose subject, "The Fall of Don Pedro" was also taken up in an interesting manner. He spoke of the general characteristics of Brazil, its people and emperor, and explained that the chief reason for the latter's downfall was the dissatisfaction of the people with the ministry. Trouble began in 1889, with a rebellion of the troops, and soon the empire, unsupported by the civilian population, ceased to exist. A republic followed, and before long was recognized by leading powers, and became commercially and financially flourishing. The programme was

concluded by Mr. McGougan's account of "The Condition of the Argentine Republic." The geographical position, climate, natural resources and inhabitants of the country were first considered. It was shown that the chief industry is agriculture, and that in this direction there is a bright future before the state. As for its history, it appeared to have been the leader of the South in the overthrow of the Spanish power. After gaining its independence, Argentina was given up to political intrigue which has continued till the present day. Its government and educational system are modelled on those of the United States.

The papers were followed by an animated discussion, after which the meeting adjourned for refreshment.

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## Correspondence.

To the Editor of the MCGILL OUTLOOK:

Dear Sir,—

The question of yelling in connection with football matches every one recognizes to be of the greatest importance. Not only does it encourage a winning team to greater efforts, but more important still, it fills a losing team with new energy and enthusiasm. The "rooting" has not been up to the standard in the past at McGill, especially in those games where our team has lost. The yelling when a team is winning will take care of itself, but when a team is losing, that needs to be organized. It is just at those times that the team needs all our encouragement, and often at such a juncture, good yelling, by making the team realize, that no matter what happens, they have the support of the student body, will fire them with new energy, and may enable them

to snatch victory from what appears certain defeat. Next Saturday we have a hard match to play with Queen's—a match on which hangs the question whether we shall have the championship this year or not. Here is the time when we shall need good yelling and lots of it. Could not some such scheme, Mr. Editor, as the following, or modification of it, be adopted for next Saturday's match—the *whole* Eastern side of the grand stand to be reserved for the students. The innovation of last Saturday, of keeping a section for the outside public in the midst of the students, not only crowded them unnecessarily, but interfered materially with the efficiency of their yelling. If the Years were seated together, *e.g.*, Freshmen and Sophomores on the ends and Juniors and Seniors in the centre, each under a yell leader elected by themselves, their Class spirit and ac-



quaintanceship with one another would serve to increase the efficiency of their yelling. In order to have continuous yelling and yet not tax any one's powers unduly, the Years might each give the yell under their leader consecutively. Their sitting together and giving the yell as Years would also stimulate a rivalry which would add very much to the strength of the yelling, for each would strive to outdo the other. At the beginning and end of each half, and whenever McGill scored, the combined Years would give the yell under the direction of a leader-in-chief appointed, say, by the football management. And when the play consisted of dribbling or a succession of scrimmages, that continuous McGill-I-I-I-I would go well, and would, so to speak, carry along the team with it. The introduction of one or two good football songs would be a novelty which could be adopted with excellent results. These are merely in the way of suggestions, Mr. Editor, but if anything is done along this line it should be done quickly. Yell leaders could be chosen early in the week, and, if possible, some sort of a yell practice arranged. Certainly, over-yelling needs reforming, and now is the time to do it. Thanking you for the space,

Yours, etc.

R. P.

#### NOTICES.

##### Supplemental Exams.

At a regular meeting of the Faculty of Arts, held Oct. 31, 1902, resolutions were passed to the effect that an Undergraduate, who, in future, may fail at the April Exams., and who shall not have passed all Supplemental Exams. that may have been granted him by September, shall not be allowed any further opportunity of recovering his session.

A. JOHNSON.

Lea Bros., publishers of the "*Medical News*," the "*American Journal of Medical Sciences*," etc., of New York, send the following communication to the Dean of the Medical Faculty:—

Dear Sir—

Will you be so good as to favour us with the name of a student, preferably a member of the Graduating Class, who is working his way through College, and who possesses the integrity, energy and business ability to represent our publications. To such a man we can afford an opportunity which should naturally help him.

With appreciative thanks for any assistance you may render us,

We are,

Yours, etc.

#### EXCHANGES.

The "exchange" magazines will be placed for a limited time each week in the Y. M. C. A. in order that readers of the OUTLOOK may have an opportunity of seeing what is going on in the various American Colleges. Among the magazines received are *The Chicago Daily Maroon*, *The Minnesota Daily*, *The Triangle*, *The Bedouin Orient*, *The Intercollegian*, *The Student* (Edinburgh), *The Gryphon* (Yorkshire College), *The Argosy* (Sackville, N. B.), *The Dalhousie Gazette*, *The Johns Hopkins News Letter*, *The Daily Californian*, *The Pennsylvanian*, *The Varsity*, *The Prince of Wales Observer*, *The Wesleyana*, *The Yale Alumni Weekly*, *Yale News*, *Columbia Spectator*, *The O. A. C. Review*, *The Stentor*, *The University Monthly* (Fredericton), *The University of Ottawa Review*, *Acta Victoriana*, *Queen's Journal*, *McMaster University Monthly*, *The Scientific American*, *College News* (Wellesly).



### NEWS OF THE COLLEGES.

The total cost of the University of Michigan to the state has been less than the cost of one first-class battleship to the nation, and yet 17,184 persons have graduated from the University, besides 12,643 who have obtained a partial education there, but have not graduated, thus bringing the total who have studied there, up to about 30,000. Which is better for the nation, 30,000 educated men and women or one battleship?

President Butler says that Columbia University needs \$10,000,000 to pay debts, buy needed lands, and erect necessary buildings.

The oldest college in the world is Mohammed College, at Cairo, Egypt, which was 1,000 years old when Oxford was founded.

"I see Hunter has stopped college."

"Yes, he made the football team and that was his undoing. He was half-back in math., full-back in chemistry, and about a quarter-back in everything else on his card. Besides he refused to tackle back work, so there was nothing for the Faculty to do but to send him to the side-lines."

Wisconsin Somophores have posted the following proclamation: "Infinitesimal particles of atomic insignificance, mewling infants of 1906. Tremble with palpitating terror, for demoniac deviltries and hellish holocaust of gory slaughter is about to render your pusillanimous impotence into a mass of crushed and mangled corpses. Burrow deep and avoid destruction."

An intercollegiate gunshoot is to be held at Princeton some time in November.

Cornell students have unanimously re-established the honour system in examinations.

The Stillman Infirmary, Harvard's new hospital, presented by Mr. James

Stillman, of New York, has just been opened.

*The Daily Nebraskan* joined in celebrating the victory over Minnesota by printing Monday's edition with scarlet ink.

The enrollment of the Scottish universities is as follows: Edinburgh, 2,814; Glasgow, 2,037; Aberdeen, 905, and St. Andrews 264.

During the summer about 5,000 permanent seats have been placed upon the Yale football field, making the total seating capacity over 22,000.

The New York Harvard Club is contemplating the building of a \$100,000 addition to its present quarters. The addition is to include a large assembly hall and living-rooms for members of the Club.

One hundred and forty-five men are on Harvard's Freshman football squad.

### PERSONALS.

DR. C. H. FREEMAN, Med. '00, is working up a good practice in Folly, N. S.

DR. D. A. TAYLOR, Med. '01, is practicing in Londonderry, N.S. Dick will profit by the boom now on in the iron district.

DR. L. M. MURRAY, Med. '00, is working up a good practice in Halifax, N.S. He has charge of the Pathological Laboratory in the absence of Dr. Halliday.

DR. A. E. DOULL, Med. '00, has taken up his abode at Halifax, N.S., where he is building up a good practice.

MR. MILTON JACK, Arts '02, of oratorical fame, is studying Theology, at the Presbyterian College.



### HOW THEY DO IT ACROSS THE LINE.

A few clippings from American College papers, to illustrate the way football is managed in the States.

"Rooter seats will very probably be on sale earlier than other seats, and it will be necessary to dispose of all of them in order to reserve more in the same locality to oblige the late comers. Rooter's hats of regulation pattern may be ordered at the Co-op. at sixty cents."—*Minnesota Daily*.

"Hereafter the University of Chicago rooters are going to be seated in a special section reserved for them alone, and cheer-leaders will be stationed about to lead us. We are going to begin our rooting early and keep it up all through the game, and lest we wear ourselves out by yelling continually the band will co-operate with us and furnish its share of audible enthusiasm.

"We are going to provide ourselves with a supply of new songs and yells, and everybody, Faculty, Alumni, and

undergraduates alike, are going to learn them and come prepared to sing louder and longer than they ever sang before."—*Daily Maroon*.

"The football team was given a rousing send-off last night at Broad Street Station, where it took the 8.05 express train for Boston.

By seven o'clock, nearly a thousand students had assembled in the Triangle of the Dormitories. Then, led by the Band, the football songs were practiced and cheers for the individual members of the team given. The parade formed at 7.15, and started over the Walnut Street Bridge, the Band bringing up the rear."—*Pennsylvanian*.

"An impression has been prevalent in the University that singing is less successful than yelling. This impression must have been eradicated from the minds of any who heard the singing of the Michigan rooters last Saturday. A couple of thousand voices united in a rousing chorus will make a noise that can be heard anywhere."—*Daily Maroon*.

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## Class Reports.

### R. V. C.

#### 1904.

It has been found that there is so much enthusiasm for basket ball in '04 that a combined team of Third and Fourth Years, as had been originally intended, would hardly be practicable. Accordingly, a separate Third Year team has been organized, of which Miss Freeze has been chosen captain. It is anticipated that good work will be done, and it is to be hoped that the enthusiasm will continue all through the basket ball season. Practices, every Wednesday, from 12 to 1.

This warm weather is delightful. Every one is enjoying it. It certainly

saves considerable wear and tear in putting on coats and hats going between buildings, but by the Geology students it must be especially welcomed. It will surely dispel many fears lest those pleasant little social jaunts, which go by the name of geological excursions, should be discontinued. We are sure this would be a great calamity, for it would seem a shame that the zeal of the students should be in any way destroyed or that the world should be deprived of any important discoveries. Such very curious things are found some times! In certain parts of the country apples can scarcely be distinguished from rocks, while in other places there is great confusion between chocolates and fossils. These



are certainly interesting phenomena!

It was really exciting to see rare specimens of *uncommon, extraordinary* anthracite coal exhibited in a recent Geology lecture. No wonder great enthusiasm was shown on the part of the students! It was noticeable that an especially warm day was chosen for the purpose. Wise precaution surely!

### 1906.

Basket ball affords a wonderful verification of the three laws of motion.

When two people rush for the ball, and, in some mysterious fashion, collide, the truth of the following laws will become apparent:—

1st. Every body continues in its state of rest or uniform motion in a straight line, unless acted on by some external force.

2nd. Change of motion is proportional to the impressed force and takes place in the direction of the force.

3rd. To every action there is an equal and opposite reaction.

Might we suggest a Fourth Law?

4th. When two moving bodies collide, the appearance of stars is the inevitable result.

We are sure that Newton would have appreciated this law, had he played basket ball.

It has been suggested that we follow ——'s good example of rising at one in the morning to study till eight. Perhaps our custom is slightly different. We prefer to reverse the order of procedure and study (?) from eight until one.

### ARTS.

#### 1903.

Once upon a time there were two young men who went upon a Geological excursion to the neighbourhood of a French Canadian village, with a certain McGill Professor and an uncertain love of science. They both had

fine-sounding, aristocratic names, but we must call them Will and Wull for the sake of brevity and our own head. Now, be it known to all who read this column, that when one goes geologizing he is supposed to use a hammer, and, in a manner, tap the rocks he meets. Wull had a hammer, Will had none. Will suggested that they keep together, and go into partnership as regarded the hammer.

To make a long story short, Will, who was bigger, had the hammer most of the time, and so all the desire for knowledge about strata and dykes that Wull ever had slowly oozed out at his feet, as he stood stamping them to keep them warm. This fact accounts for what followed. Will got all the specimens he wanted, and then said he thought it would be an excellent thing to go to the village and buy up some apples—if there was no other way of getting them—from the benighted natives, who would, no doubt, sell them cheap.

Apples—*des pommes*—seemed to be the only thing one could not find in that village. There were plenty of children, lots of immense women and insignificant men, there were lamp chimneys, and there was mud a foot deep, but no apples. Just as the two young men realized that it was getting near train time, a promising youngster volunteered to lead the way to a house where apples might perhaps be procured. As usual, Will and Wull were met at the door by a woman who turned the handle at 200 pounds. After long and bi-lingual negotiations, the lady consented to give up some of her precious apples. She climbed a ladder and brought down an old, common looking fruit basket, which she filled with small, common looking apples. "How much?" ventured Will. "Seeing there is the basket—well, say five dollars."

The young men had a long and weary tramp back to the station, but there is the law of the land which forbids us repeating what Will said to



Wull, what Wull said to Will, what both said to the apples, and how they both apostrophized the innocent old French "Canadienne."

Moral: "It's a poor worm that won't turn both ways."

#### 1904.

A second instalment of the nightmare mentioned last week having visited the reporter's restless couch, he is able to produce the following continuation of the philosophical dialogue contained in the last issue of the OUTLOOK:—

PONGPING.—Well, Pedosphere, I will grant you that football is not a rough game, and, therefore, it would seem a gentle game; but that Ping-Pong is rough you have yet to prove.

PED.—As truths are best enforced by illustration, let us employ this table, this ball and these rackets in making an entrance into your mind for the true principles of the matter.

(A pause in the conversation.)

PONG.—If you are through with that arnica, Pedosphere, I would fain use some of it myself. When you fell in reaching for that ball you struck my shin, to the damage of the epidermis thereof.

PED.—Tell me, Pongoping, did that happen in accordance with your wish?

PONG.—Hardly.

PED.—And a moment ago, when you crawled under the sideboard after a stray ball, you did it, I should judge by your remarks, unwillingly.

PONG.—Yes, indeed. (This was the meaning of his answer, the actual language was rather strong.)

PED.—Therefore, both these actions were troublesome to you, and, therefore, painful.

PONG.—So it seems.

PED.—Therefore, Ping-Pong inflicts pain on its players, and, therefore, it is, by your own definition, a rough game.

#### 1905.

As nothing of considerable importance transpired in connection with our Year during the past week, we diverted ourselves by taking observations of the antics produced by certain gentlemen outside of our circle. We were greatly astonished at the eccentricities of these people, but as it is impossible to describe them all, we submit the following as a sample:—

At 11 o'clock a.m., Thursday, a ruby-tipped Junior bearing the cognomen M-c-d-l-d was discovered in a very strange and unseemly position near the door of the Arts hall.

He had temporarily discarded the upright attitude and assumed that of a quadruped, with his feet and hands simultaneously in contact with the floor, his body forming a tangent to it pointing northeast and southwest. Under normal circumstances, such postures may be accounted for as being accidentally acquired, but the facts in this particular instance point otherwise, inasmuch as the incident happened immediately in front of several ladies of the Royal Victoria.

We beg to observe that such amatory demonstrations, when conducted in a slightly more graceful manner, are absolutely justifiable, but to exaggerate proceedings to such an abnormal extent as M-c-d-l-d did is a travesty on the dignity of Seniorism and a dubious compliment to the damsels in question.

We hope that he will cut off any such demonstrations in future.

#### 1906.

"Not-Six" officers—(continued).

Mr. Sutherland is vice-president, and Mr. Newman, secretary-treasurer. (I would like to say that Mr. Dash is not our vice-president as was stated last week. He was given that position through a slip of the pen.)

Prof. C-l-y the other day, said



that he had noticed an increased feeling of friendliness among us during the past couple of weeks. He said that it was always manifest about the first of November. The surprise of a very *vigorous* reception probably was the cause of these remarks.

Wa- -h said he was going to take the OUTLOOK. "For what we are about to receive, may the Lord make us truly thankful."

There are still a few blank receipts in my book, which can be filled with a "oner." These entitle you to twenty copies of the OUTLOOK.

Kirsch's smile is infectious, and yet it is a sure cure for that "care-worn" feeling.

We have at least forty-five men in this Freshman Year. About twenty of this number take the College paper. Stir up that dormant patriotism, ye twenty-five.

## SCIENCE.

### 1903.

What was the matter with '03 in the 'Cross Country Run? Nothing at all! With Hall second, Edwards third and Foreman fourth, we were right in it. Pretty work!

Professor (explaining to Class the working of a water accumulator in the testing lab.)—"Now, gentlemen, we use in this machine a mixture of whiskey and water."

B-o-n (immediately)—"Where's the tap?"

Dr. Bovey has called for a list of the members of the Class, with their occupations during the summer, and salary. Some startling disclosures have been made. It transpires that:—

F-r-m-n spent the summer playing lacrosse at ten dollars a game, easing his conscience by singing in the choir on Sundays.

C - -k-n went to Sunday School picnics in the day time, and country hoe-downs at night, with a different girl for each.

B-k-r was out for experience, and as messenger boy to an installing engineer learned a great deal. No wages mentioned.

Trim sat on Victoria Bridge and—between smokes—showed a gang how to string wires. He got sixty-nine cents a day with car tickets thrown in.

H- -l worked in a mine eighteen hours a day, went in extensively for athletics and mixed in social life. He was also reporter for two dailies and a weekly, and during spare moments plugged theory of structures.

Magneto Mac had a job in the States. (It is said that he crawled under the bench every afternoon for a sleep so as to be able to get up in time for work the next morning.)

Scratchy said he'd wait for a job to turn up, but was still waiting when he got notice that lectures were about to commence.

### 1905.

This Class has, since the Undergrad. list was published, still another reason to be proud of itself and its Secretary. By the list one would think that we are going to have to pay most of the expenses of the Society and that few of the Seniors expected to be graduated this year. These same Seniors, by the way, had very much to say about us last year that would very much better apply to themselves.

A few characteristic expressions:—

Bowness — "C;" Jewett — "F-sh-sh-sh;" Pinch — "Pretty work;" Dickson.—" ———," Yoppie "( )." Gibbs.—"I'll show you how." Redpath.—"Do you think it pays?" Cunh'a.—"Uh?"



## 1906.

It is now apparent to every one that but for a slight error on the part of one of the competitors, the result of the 'Cross Country Run would have been different. Our Representative in that event, the renowned and illustrious Davidson, having his most noble countenance somewhat bespattered with mud and other matter, and thereby prevented from seeing clearly, mistook his way. He finally landed in the Out-Patient department of the R. V. Hospital, to the astonishment of both himself and attendants. The latter thinking him in need of treatment, immediately set upon him and prevented his exit. After mutual explanations, he was allowed to continue his way, only, however, when it was too late.

The "pin trick" in a slightly modified form is all the go at present. Some of the fellows do not see the point, with the result that they feel hurt when the others laugh.

Contrary to our determination to allow nothing to enter these columns which was not up to the standard obviously required by this publication, from the nature of the subjects we have been obliged to depart from ordinary prose and break into song (?).

The following is the result of a bad toothache on Sunday evening:—

There was a young lad named Bel-s-s  
Who did not know milk from molasses,  
But one thing 'tis sure  
He well knew the cure  
For raising a three-foot moustaches.

It is earnestly requested that all who have not yet paid up their thirty cents for the Class Banner should do so at once and save further trouble about the matter. There is also a deficit in the money collected for the hats worn on Theatre Night, our share of which amounts to \$4.50 or five cents per man. Buck up '06 and settle the above accounts immediately.

There is a lad in our class,  
Who is so wondrous wise  
He seldom ever fails to make  
A ten and one besides.  
His name, I think you know it well,  
In fact it seems to rhyme with H—.

While the most of us were racking our brains with projections, Pres. W-kw-re was more pleasantly employed in doing the light fantastic, accompanied by a couple of fair maidens, in one of the rooms of the Engineering building. That's right W-ck., make the most of your opportunities.

## MEDICINE.

## 1905.

"Periodicity," or "The Law of Rhythm," will be well exemplified in these reports. Thus, if one week is remarkable for its gems of wit, the next (naturally) will be correspondingly imbecilic; and by the same convenient law, a report one week infers none for the next. But here the personal equation steps in!

Dr. Shepherd's demonstration at the last meeting of the Medical Society (Oct. 31) was the means of diverting the thoughts of many bright young creatures into profitable channels, instead of allowing the usual routine of Hallowe'en's to occupy them. Thanks are due from grateful householders.

The brilliant success of the "Tuesday group" in Physiology Lab. has long been the hopeless envy of the other half of the Class, who had but faint hopes of getting their records up in the "neat but plain frame" to spur them on. It appears, however, that the genius of our shining examples does not exempt them from shady traits. "While we swat, you klep,"—but enough said. Our careful early training enables us, who are of the "Thursday group," to say with conviction: "Better be poor, but honest, than talented and vicious."



Ask E. A. G-d-t for particulars of any anatomical details that Dr. Shepherd seems shaky on. The "conference" of Monday before last was a source of much information, including E. A. G.'s genealogy. Which half is Irish?

It is now "dog-fish days" for the Freshmen, and a pale blue haze hangs over the east wing, with a favourable breeze, the presence of those interesting creatures (the dog-fish, not the Freshmen) can be detected half way to Park avenue.

*Sophomore*.—"Who's going to lead your Year in Anatomy?"

*Freshman*.—"I—I don't know; we haven't voted yet." (!)

We had large ideas of writing a Class Alphabet, somewhat on this plan:—

Aa.—"Alguire and Auld are found in the A's.; one is blazé, the other is blaze!" but there is no knowing where such a course would land the Reporter, probably in the M. G. H. for repairs."

Said D-kes: "From the surface you *can* see,

What type is my head, you fancy?"

But alas for his pride,

When Shepherd replied,

"Prognathous—or like a chimpanzee."

### WHAT'S WHEN.

(Members of the Faculty, and Students are requested to send in all notices for publication in THE "OUTLOOK" free of charge).

Tues. Nov. 11 —12-1 p. m., Lecture on "Radioactive Bodies and their Radiation," Prof. Rutherford, Physics Building.

5 " Basket Prratice, McGill Gym.

5 " Gymnasium Classes, McGill Gym.

5 " Meeting Chemical Society. Paper by Dr. Walker on "Racemisation and Atomic Motion."

8 " Lecture on Banking and Commerce, Prof. Flux, Physics Building.

Wed. Nov. 12 —4 p. m., Meeting Y. M. C. A., Executive.

5 " Bible Class, Y. M. C. A., 3rd Year Science.

7 " Bible Class, Y. M. C. A., 2nd Year Arts.

7 " Bible Class, Y. M. C. A., 3rd Year Med.

7.30 " McGill Glee and Banjo Club, meeting for election of Officers.

Thurs. Nov. 13 —3 p. m., Bible Class 1st Year Arts, Y. M. C. A., Sherbrooke St.

5 " Gymnasium Classes, McGill Gymnasium.

5 " Bible Classes, Science '05, Y. M. C. A., Sherbrooke St.

7 " Bible Class, 2nd Year Med., Y. M. C. A.

Fri. Nov. 14 —4 p. m., "Wood Cup" Match. Campus.

5 " Bible Class, Science '06, Y. M. C. A., Sherbrooke St.

6 " FOOTBALL SONG RALLY MEDICAL BUILDING, ALL UP.

5 " Meeting Physical Society.

7 " Bible Class, 4th Year, Y. M. C. A., Sherbrooke St.

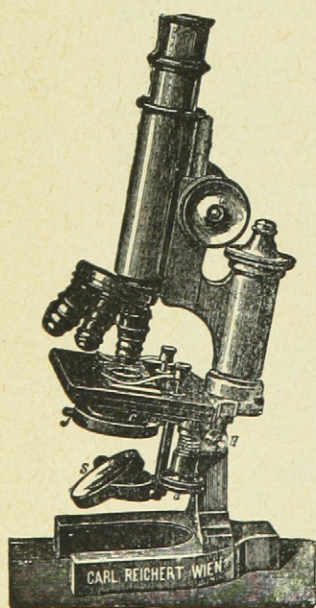
8 " McGill Medical Society (Medical Building).

Papers—"Artificial Feeding of Children," W. G. Campbell, Med. '03.

Lantern demonstration, Prof. Martin; Biography of Virchow, L. C. Lauchland, B.A., '04.



- Sat. Nov. 15 —9 a. m., Geological Excursion.
- 12-1 “ Lecture on “Radioactive Bodies and other Radiation,”  
Prof. Rutherford, Physics Building.
- 12-1 “ McGill Gym., Basket Ball Practice.  
Championship Football. McGill vs. Queen's, Campus.  
McGill II. vs. 'Varsity, II.
- 5 p. m., Students' Gymnasium Classes, City Y. M. C. A.
- 5 “ Gymnasium Classes, McGill Gymnasium.
- 7 “ Mission Study Class, Y. M. C. A.
- 8 “ Undergrad. Lit. Society, Weekly Debates, Arts' Bldg.
- 9 “ Weekly Social for Students, All Welcome, Y. M. C. A.,  
Sherbrooke St.
- Sun. Nov. 16 —9.30 a. m., Bible Class, 3rd Year Arts, Y. M. C. A.  
3 p. m., Address in Redpath Museum, by Mr. Jays, of Great  
Britain.
- Mon. Nov. 17 —5 p. m., Bible Class, 1st Year Medicals, Y. M. C. A., Sherbrooke  
St.
- 5 “ Delta Sigma Meeting, R. V. C.
- 7.15 “ Meeting of THE “OUTLOOK” BOARD, R. V. C.
- Tues. Nov. 18 — THE 5TH NUMBER OF THE “OUTLOOK” WILL APPEAR. SEE  
THAT YOUR NAME IS DOWN ON THE SUBSCRIPTION LISTS.
- 12-1 a. m., Lecture on “Radioactive Bodies and their Radiation,”  
Prof. Rutherford, Physics Building.
- 5 p. m., Meeting McGill Physical Society.
- 5 “ Gymnasium Classes, McGill Gymnasium.
- 8 “ Lecture on Banking and Commerce, by Prof. Flux,  
Physics Theatre.



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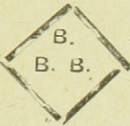
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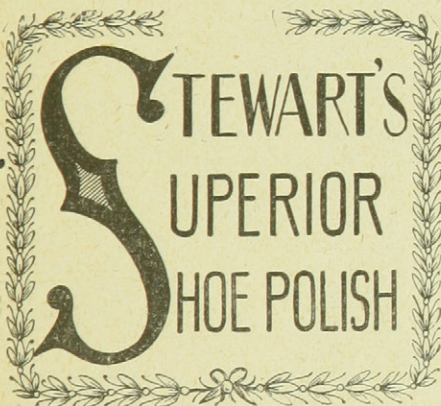
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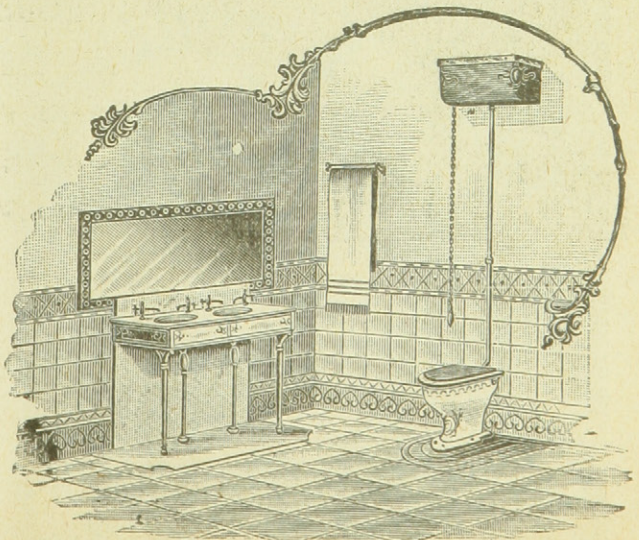
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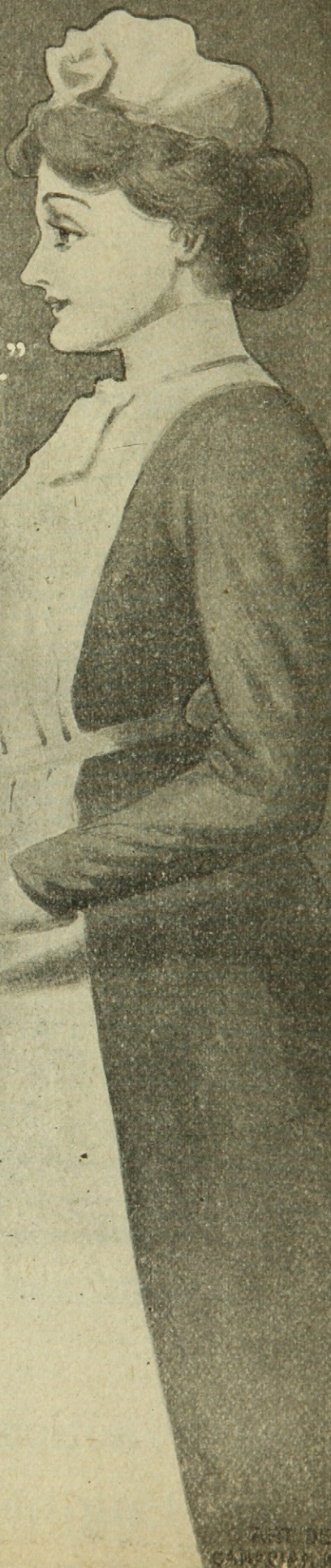
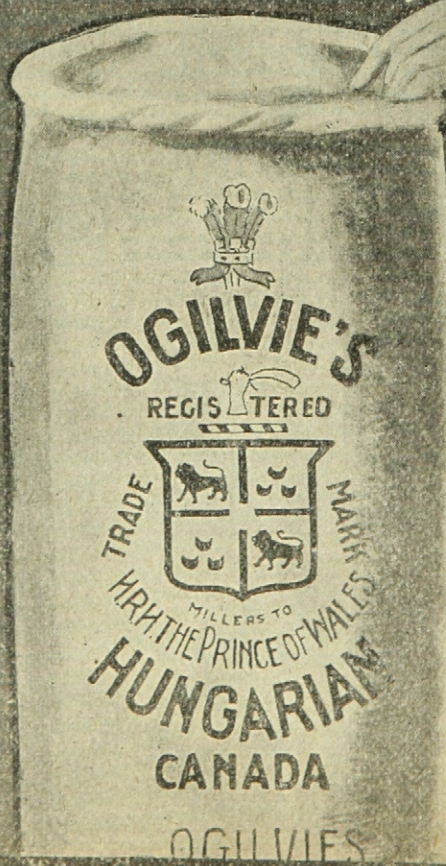






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